DEEP RABADIYA

📍 Jamnagar, Gujarat | 📞 9510108275 | ✉ [Email](#) | 🔗 [Linkedin](#) | ⌨ [Github](#) | 🌐 [Portfolio](#)

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology — Gandhinagar, GJ
M.Sc. Agriculture Analytics (Geospatial Data Science) — *2023 – 2025*

Junagadh Agricultural University — Junagadh, GJ
B.Sc.(Hons) Agriculture — *2019 – 2023*

EXPERIENCE

Remote Sensing and GIS Analyst — May 2024 – July 2024
Semantic Technologies and Agritech Services Pvt Ltd — *Pune, Maharashtra*
- At Semantic Technologies and Agritech Services Pvt Ltd, I leveraged **SAR** and **optical data** to develop **machine learning** models for crop health and area estimation, enhancing agricultural productivity. This experience honed my skills in remote sensing, GIS and agritech solutions.

Machine Learning Intern — March 2024 – April 2024
Coding Samurai — *Remote*

Machine Learning Intern — March 2024
Mentorness — *Remote*

TECHNICAL SKILLS

Languages: Python, R, SQL
Tools and Technologies: ArcGIS, QGIS, ERDAS IMAGINE, SNAP, Envi, Google Earth Engine, PostgreSQL, Power BI, Looker studio, Advance Excel, Ms-Office, DBMS
Libraries: Pandas, NumPy, Matplotlib, Rasterio, Gdal, Geopandas, Sklearn, Keras, TensorFlow

PROJECTS

Satellite Based Crop Mapping and Area Estimation | *Semantic Tech* — May – July 2024
- Python, ML, ArcGIS, Qgis, Erdas, Snap, Google Earth Pro, GEE

Land Cover Change Detection (Deforestation) | *Dr. Ranendu Ghosh* — Oct – Nov 2023
- Python, ML, ArcGIS, Qgis

Soil erosion esti. from satellite using advanced statistical learning | *Mr. Justin George* — March – April 2024
- GEE, Python, ArcGIS, Qgis

Crop Recommendation System | *Mr. Kapil Oberai* — Feb 2024
- PostgresML, Various ML Algorithms, VS Code, Streamlit

Soil Moisture Prediction | *Dr. Kamal Panday* — March 2024
- Machine Learning

Estimation of Drought using Satellite Images | *Dr. Mukesh Tiwari* — Sep 2024
- GEE, Various GIS Softwares

Soil Properties Estimation Using Hyperspectral Image | *Mr. Paresh Rathod* — Aug 2024
- ML, DL, GIS Softwares

Web GIS (Web Mapping Of Ramsar Sites of India) | *Nascent Infotech* — July 2024
- GeoServer, HTML, Javascript, Postgres

CERTIFICATIONS

Microwave Data Processing and Applications | *Space Application Centre, ISRO*
Spatial Analysis with ArcGIS Pro | *esri India*
Crop Yield Modelling using Advance Geospatial Technologies | *Amnex Infotechnologies*
Advance Excel, Power BI and Tableau | *The Pioneer Tech*
Developing Web-based Geographical Information Systems | *Nascent Infotech*
Application of Geoinformatics in Ecological Studies | *IIRS, ISRO*